

### Abstract

A method of reducing a phase error caused by a plurality of error sources in a signal in the form of a sequence of a plurality of digital partial signals associated with a number of subcarriers ( $k$ ) of a carrier, the method including, for each partial signal: equalization of the partial signal ( $Y(i,k)$ ), estimation of the phase error of the equalized partial signal ( $X(i,k)$ ), and correction of the estimated phase error of the equalized partial signal. One embodiment provides the equalization with elimination of an accumulation of a phase error over the sequence of the partial signals. In addition the estimation includes detecting a plurality of predetermined pilot signals and determining a phase correction factor on the basis of the detected pilot signals, with at least one multiplication operation carried out solely by means of shift and adding operations. A corresponding apparatus is also described.